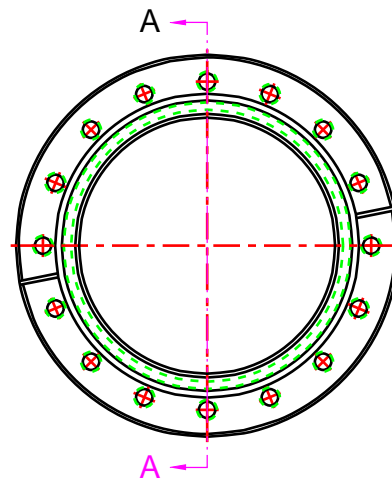


SECTION A-A



NOTES:

1. WHEN MACHINING VACUUM PARTS, USE OF SILICONE, SULPHUR-BASED CUTTING FLUIDS AND ABRASIVES IS PROHIBITED. USE TRIM SOL OR APPROVED EQUAL LUBRICANT.
2. FOR COMPLETE SPECIFICATIONS ON MACHINING, CLEANING, VACUUM REQUIREMENTS, TESTING AND DELIVERY PREPARATION, SEE ANL DOCUMENT #410201-00095.
3. FOR COMPLETE WELDING SPECIFICATIONS, SEE ANL DOCUMENT #AMS 2685C.
4. DIMENSIONS IN BRACKETS [] ARE MILLIMETERS.

SUGGESTED SOURCE:

1 STANDARD WELDED BELLOWS
375 TURNPIKE AVENUE
WINDSOR LOCKS, CN 06096
PHONE: (203)-623-2307

MAX. EXTENDED LENGTH (DIM. A)	3.80 [96.52]
MAX. COMPRESSED LENGTH (DIM. A)	2.50 [63.50]
INSTALLED LENGTH (DIM. A)	2.95 [74.93]
MAX. LATERAL OFFSET (DIM. B)	.06 [1.52]
NUMBER OF SEGMENTS	2
PRESSURE - INTERNAL	15 psi
NUMBER OF CYCLES	10,000

1

2	STANDARD BELLOWS #497-400-2-EE	WELDED BELLOWS, 2 SEGMENTS 4.970 O.D. x 4.00 I.D.	347 OR 347L STAINLESS STEEL	1
1	P4105090702-610001	6" VACUUM FLANGE, NR, TAPPED 5.970 O.D. x 4.120 I.D. x .780 THK.	304 STAINLESS STEEL	2
ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES: DECIMALS ANGULAR X - .001 (750) - .005 XX - .002 (250) - .010 XXX - .003 (125) - .015				
SURFACE ROUGHNESS 125				
REMOVE ALL BURRS AND BREAK SHARP EDGES (R.004)				
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST AMS 941				
DIMENSIONS & TOLERANCES IN ACCORDANCE WITH LATEST ANSI Y14.5				
MATERIAL				
SEE PARTS LIST				
DO NOT SCALE DRAWING				
LOG NUMBER A17278				
DRAWN BY P. ENGELBRECHT				
CHECKED BY C. BRITE				
DESIGNER C. BRITE				
RESPONSIBLE ENGINEER P. ENGELBRECHT				
C. BRITE				
APPROVED/RELEASED				
SCALE 1:1				
SHEET 1 of 1				
DRAWING NUMBER P4105090702-610000-00				
TITLE ADVANCED PHOTON SOURCE V2 6" FLANGE, 4" I.D. x 75mm WELDED BELLOWS ASSEMBLY				
THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY				

BY	CHANGE DESCRIPTION	BY	CHKD	DATE